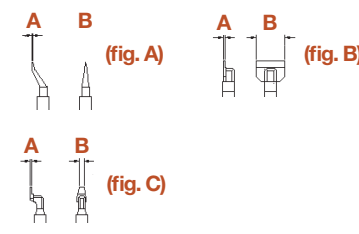


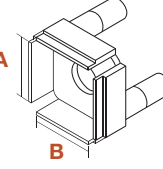
# MT-100 & TP-100 SMT Removal Tips

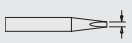
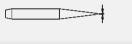
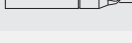
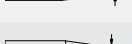
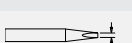
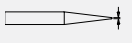
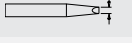
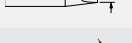
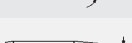
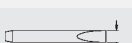
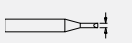
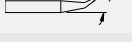
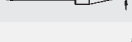
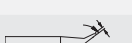
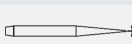
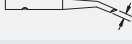
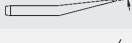
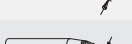
# PS-90 Soldering Tips

## MT-100 Tips

| Tips - Chip/SOT Removal                                                           | Component Type            | Size - A      | Size - B      | Part Number  |
|-----------------------------------------------------------------------------------|---------------------------|---------------|---------------|--------------|
|  | Chip (fig. A)             | 0.2mm (.008") | 0.2mm (.008") | 1124-1001-P1 |
|                                                                                   | Chip, SOT (fig. B)        | 0.7mm (.03")  | 0.5mm (.03")  | 1124-1002-P1 |
|                                                                                   | Chip, SOT (fig. B)        | 0.7mm (.03")  | 1mm (.04")    | 1124-1003-P1 |
|                                                                                   | Chip, SOT (fig. B)        | 0.7mm (.03")  | 2mm (.08")    | 1124-1004-P1 |
|                                                                                   | Chip, SOT, TSOPS (fig. C) | 0.7mm (.03")  | 6mm (.24")    | 1124-1005-P1 |
|                                                                                   | Chip, SOT, TSOPS (fig. C) | 0.7mm (.03")  | 8mm (.31")    | 1124-1006-P1 |
|                                                                                   | Chip, SOT, TSOPS (fig. C) | 0.7mm (.03")  | 10mm (.39")   | 1124-1007-P1 |
|                                                                                   | Chip, SOT, TSOPS (fig. C) | 0.7mm (.03")  | 13mm (.51")   | 1124-1008-P1 |
|                                                                                   | Chip, SOT, TSOPS (fig. C) | 0.7mm (.03")  | 18mm (.74")   | 1124-1009-P1 |
|                                                                                   | Chip, SOT, TSOPS (fig. C) | 0.7mm (.03")  | 28mm (1.09")  | 1124-1010-P1 |
|                                                                                   | Chip Extended (fig. B)    | 0.6mm (.025") | 1.0mm (.039") | 1124-1011-P1 |

## TP-100 Tips

| Tips                                                                                | Type      | Lead Count                 | Size - A     | Size - B     | Component Height | Component Footprint | Part Number  |
|-------------------------------------------------------------------------------------|-----------|----------------------------|--------------|--------------|------------------|---------------------|--------------|
|  | LQFP/TQFP | 80                         | 12mm (.472") | 12mm (.472") | 1.4mm            | 2.0mm               | 1124-2001-P1 |
|                                                                                     | LQFP/TQFP | 64, 80, 100, 120, 128, 168 | 14mm (.551") | 14mm (.551") | 1.4mm            | 2.0mm               | 1124-2002-P1 |
|                                                                                     | LQFP/TQFP | 128, 144, 160, 176         | 20mm (.788") | 20mm (.788") | 1.4mm            | 2.0mm               | 1124-2003-P1 |
|                                                                                     | LQFP/TQFP | 176, 216                   | 24mm (.945") | 24mm (.945") | 1.4mm            | 2.0mm               | 1224-2004-P1 |
|                                                                                     | LQFP/TQFP | 208, 256                   | 28mm (1.10") | 28mm (1.10") | 1.4mm            | 2.0mm               | 1224-2005-P1 |
|                                                                                     | QFP       | 52, 64, 80, 100            | 14mm (.551") | 14mm (.551") | 2.7mm            | 3.2mm               | 1124-2006-P1 |
|                                                                                     | QFP       | 52, 64, 80, 100            | 14mm (.551") | 14mm (.551") | 2.7mm            | 3.9mm               | 1124-2007-P1 |
|                                                                                     | QFP       | 64, 80, 100, 128           | 14mm (.551") | 20mm (.788") | 2.7mm            | 3.2mm               | 1124-2008-P1 |
|                                                                                     | QFP       | 64, 80, 100, 128           | 14mm (.551") | 20mm (.788") | 2.7mm            | 3.9mm               | 1124-2009-P1 |
|                                                                                     | QFP       | 120, 128, 144, 160, 208    | 28mm (1.10") | 28mm (1.10") | 3.4mm            | 3.9mm               | 1124-2010-P1 |
|                                                                                     | QFP       | 160                        | 28mm (1.10") | 28mm (1.10") | 3.4mm            | 3.9mm               | 1124-2011-P1 |

| Tips                                                                                  | Description                     | Tip Size        | Part Number  |
|---------------------------------------------------------------------------------------|---------------------------------|-----------------|--------------|
|    | 1/16" Chisel (High Capacity)    | 1.60mm (0.063") | 1121-0414-P5 |
|    | 1/64" Conical                   | 0.40mm (0.016") | 1121-0357-P5 |
|    | 1/64" Sharp Bent Conical        | 0.40mm (0.016") | 1121-0830-P5 |
|    | 1/32" Conical                   | 0.80mm (0.031") | 1121-0336-P5 |
|    | 1/16" Chisel                    | 1.60mm (0.063") | 1121-0335-P5 |
|    | 1/16" Chisel, Long Reach        | 1.60mm (0.063") | 1121-0499-P5 |
|    | 1/8" Chisel                     | 3.20mm (0.125") | 1121-0337-P5 |
|    | 1/32" Chisel                    | 0.80mm (0.031") | 1121-0359-P5 |
|    | 3/32" Chisel                    | 2.40mm (0.094") | 1121-0360-P5 |
|    | 1/16" Chisel, Extended Reach    | 1.60mm (0.063") | 1121-0533-P5 |
|  | 1/64" Bent Conical              | 0.40mm (0.016") | 1121-0363-P5 |
|  | 1/32" Conical, Extended Reach   | 0.80mm (0.031") | 1121-0527-P5 |
|  | 3/16" Chisel                    | 4.80mm (0.188") | 1121-0358-P5 |
|  | 1/16" Chisel (MicroFine)        | 1.60mm (0.063") | 1121-0349-P5 |
|  | 1/16" Chisel, Thermo-Drive      | 1.60mm (0.063") | 1121-0510-P5 |
|  | 1/32" Bent Chisel               | 0.80mm (0.031") | 1121-0361-P5 |
|  | 1/8" Chisel, Thermo-Drive       | 3.20mm (0.125") | 1121-0518-P5 |
|  | 3/32" Chisel, Extended Reach    | 2.40mm (0.094") | 1121-0529-P5 |
|  | 1/16" Bent Chisel, Long Reach   | 1.60mm (0.063") | 1121-0500-P5 |
|  | 1/64" Conical, Long Reach       | 0.40mm (0.016") | 1121-0528-P5 |
|  | Angled Mini-Wave, Fine Pitch    | 1.80mm (0.07")  | 1121-0564-P5 |
|  | Angled Mini-Wave                | 2.40mm (0.09")  | 1121-0610-P5 |
|  | Single-Sided Chisel, Fine Pitch | 1.50mm (0.06")  | 1121-0563-P5 |
|  | Single-Sided Chisel             | 3.30mm (0.13")  | 1121-0406-P5 |
|  | Mini-Wave                       | 3.30mm (0.13")  | 1121-0490-P5 |
|  | Flat Blade                      | 6.60mm (0.25")  | 1121-0402-P1 |
|  | Flat Blade                      | 10.2mm (0.40")  | 1121-0305-P5 |